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IN THE CLAIMS:

Please cancel claim 40, without prejudice, amend claims 38, 42-44, 46, 48, and 52, and add new claim 54 as follows:

1-37. (Cancelled)

38. (Currently Amended) A substrate for a liquid crystal display apparatus, the substrate having at least one pixel portion and a single electrode which forms at least one linear slit which extends generally across the pixel portion, said linear slit having at least one boundary between the ends of the linear slit.

39. (Previously Presented) The substrate of claim 38, wherein said boundary comprises a narrow portion in said slit, relative to the width of non-boundary portions of said slit.

40. (Cancelled)

41. (Previously Presented) A liquid crystal display device comprising the substrate of claim 38.

42. (Currently Amended) A substrate for a liquid crystal display apparatus, comprising:

a linearly arranged protrusion or slit formed on the substrate, said protrusion or slit having a length, a width, and a height; and

a first boundary within said linearly arranged protrusion or slit, said first boundary having a width or height less than the width or height of said linearly arranged protrusion or slit adjacent said first boundary.

wherein shapes of each of said linearly arranged protrusion or slit and said first boundary control, in a plane parallel to the substrate, rotation of liquid crystal molecules near the protrusion or slit.

43. (Currently Amended) A The substrate of claim 42, further for a liquid crystal display apparatus, comprising:

a linearly arranged protrusion or slit formed on the substrate, said protrusion or slit having a length, a width, and a height;

a first boundary within said linearly arranged protrusion or slit, said first boundary having a width or height less than the width or height of said linearly arranged protrusion or slit adjacent said first boundary; and

a second boundary having a width or height different than the width or the height of either of said linearly arranged protrusion or slit and said first boundary.

44. (Currently Amended) A The substrate of claim 42, for a liquid crystal display apparatus, comprising:

a linearly arranged protrusion or slit formed on the substrate, said protrusion or slit having a length, a width, and a height; and

a first boundary within said linearly arranged protrusion or slit, said first boundary having a width or height less than the width or height of said linearly arranged protrusion or slit adjacent said first boundary,

wherein said first boundary is formed by reducing a height of said protrusion or a depth of said slit.

45. (Previously Presented) The substrate of claim 42, wherein said first boundary is formed by increasing the width of said protrusion or slit.

46. (Currently Amended) A The substrate of claim 42, for a liquid crystal display apparatus, comprising:

a linearly arranged protrusion or slit formed on the substrate, said protrusion or slit having a length, a width, and a height; and

a first boundary within said linearly arranged protrusion or slit, said first boundary having a width or height less than the width or height of said linearly arranged protrusion or slit adjacent said first boundary,

wherein said first boundary is formed by increasing a height of said protrusion or a depth of said slit.

47. (Previously Presented) The substrate of claim 42, wherein said first boundary is formed by reducing the width of said protrusion or slit.

48. (Currently Amended) The substrate of claim 42, wherein said first boundary is formed by an absence of an electrode under an area of said linearly arranged structureprotrusion or slit where said first boundary is formed.

49. (Previously Presented) The substrate of claim 42, wherein said linearly arranged protrusion or slit is a linearly arranged dielectric protrusion formed on an electrode.

50. (Previously Presented) The substrate of claim 42, wherein said linearly arranged protrusion or slit is a linearly arranged slit formed by an absence of an electrode.

51. (Previously Presented) A liquid crystal display device comprising the substrate of claim 42.

52. (Currently Amended) A liquid crystal display apparatus, comprising:

at least one substrate; and

a single first electrode formed on said at least one substrate; and

said electrode forming at least one linear slit in at least one pixel portion, on said substrate, said linear slit extending generally across the pixel portion, and having at least one boundary between opposing ends of the said linear slit.

53. (Previously Presented) The liquid crystal display apparatus of claim 52, further comprising:

a second substrate;

liquid crystal having negative anisotropy or dielectric constant, and inserted between said at least one substrate and said second substrate; and

a second electrodes and vertical alignment layers on said at least one substrate and on said second substrate; and

vertical alignment layers on said first and second electrodes.

54. (New) A substrate for a liquid crystal display apparatus, the substrate having at least one electrode, said electrode having forming at least one linear slit in at least one pixel portion, said linear slit extending generally across the pixel portion and having at least one boundary between the ends of the linear slit, the electrode portions forming said linear slit being wider than the linear slit.